

1135-E5-1163 **Khairul Islam*** (kislam@emich.edu), Department of Mathematics and Statistics, Eastern Michigan University, Ypsilanti, MI 48109. *On Assessing Adequacy of Fitted Models.*

Incorporate modeling in undergraduate mathematics curricula is an important step. It allows significant experiences of modeling to students at an early stage. Alongside, the practice of assessing an incorporated model is equally important. This leads answers to questions such as: Which model is the best model? Or, how is a given model best? It makes students competitive and confident than others without modeling experiences. This presentation is targeting towards assessing adequacy of a given fitted model. Particularly, linear and non-linear models will be assessed for adequacy using real-life examples and applications. (Received September 20, 2017)